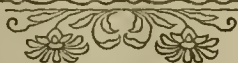


REPORT

OF THE

Medical Officer of Health



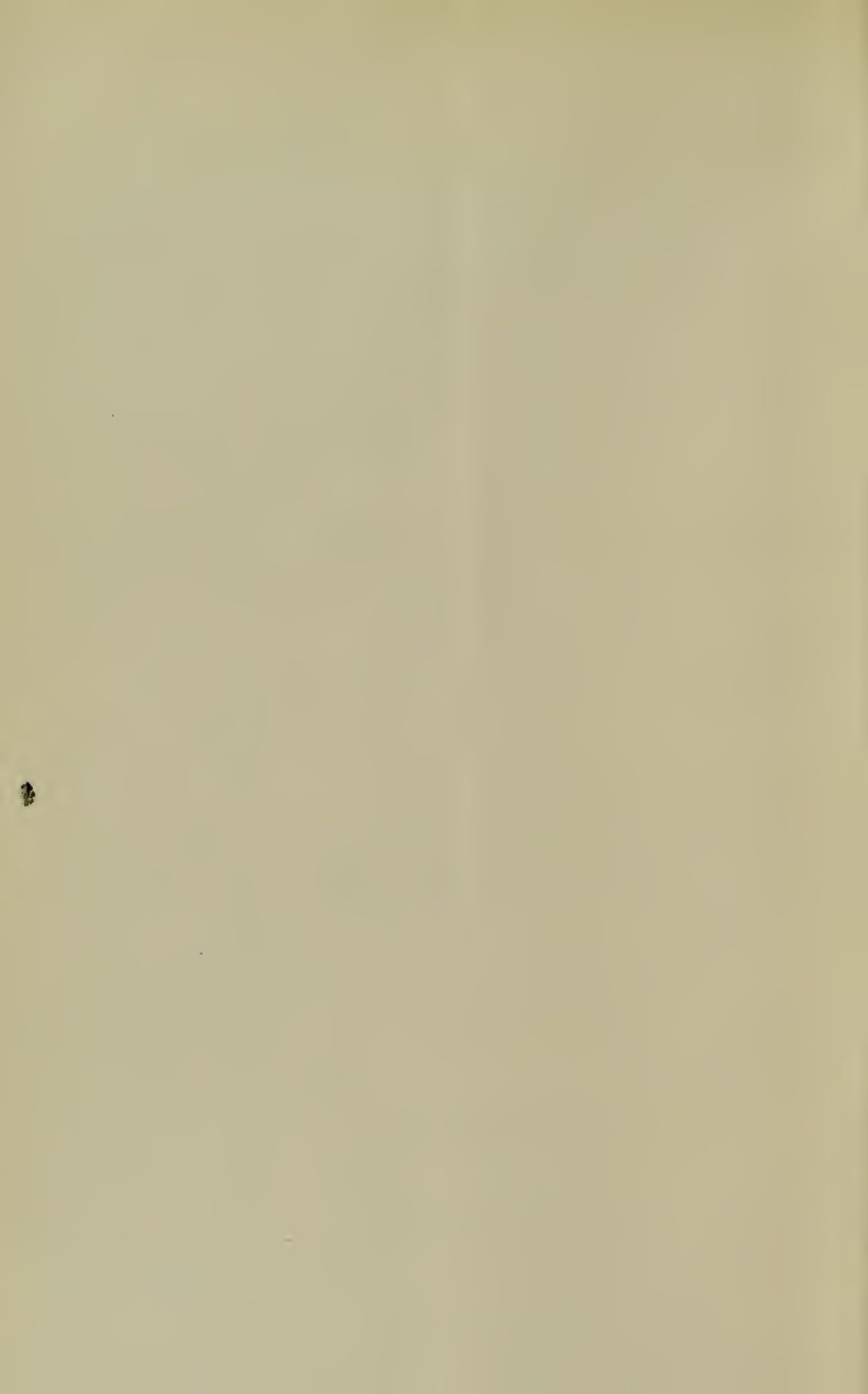
FOR THE

✕ BOLSOVER URBAN DISTRICT, ✕

FOR THE YEAR 1908.



Printed by Geo. Kent, Station Road, Bolsover



ANNUAL REPORT 1908,

— OF THE —

✧ MEDICAL OFFICER OF HEALTH ✧

BOLSOVER URBAN DISTRICT COUNCIL.

To the Chairman and Members of the Bolsover
Urban District Council.

GENTLEMEN,

I have much pleasure in presenting you my report for the year 1908.

General Remarks.

Except for the extraordinary prevalence of Infectious Diseases notably Scarlatina, the past year compares favourably with 1907. The weather has been mild, very changeable, the rainfalls very considerable, and there was no long continued drought in the Summer, consequently cases of Summer Diarrhœa were very few.

Please note that all my calculations in the Tables at the end of my Report are based on a population (estimated) of 10,000.

In this report I am trying so far as possible to follow out the suggestions of the County Medical Officer of Health.

Mortality.

During 1908, 127 deaths were registered as actually occurring within the district, and ten deaths occurred in institutions outside the district, making a total of 137, and a rate of 13·7.

In 1907 there were 140 deaths, the rate being 14. Excluding the 10 deaths of residents occurring outside the district the number of deaths would be 127, and the rate 12·7.

Infantile Mortality.

A glance at Table V will shew you the causes of death in Infants during the first four weeks of life, also from the second month up to 12 months.

There were 51 deaths in Infants, making a rate per 1000 births registered of 113·3. This is I am glad to say the lowest Infantile death rate ever recorded for this district, but I should be pleased to see this high rate still much more reduced.

Causes of Death at all ages.

I would direct your attention to Table IV.

Summer Diarrhœa.

There were only a few cases, mostly of a mild nature, and I am pleased to say this dread disease caused only two deaths.

Births.

The number of births registered was 450 (227 boys and 223 girls), making a rate per 1000 of 45. Three births from this district occurred in the Chesterfield Union Hospital all being illegitimate.

Infectious Diseases.

I would direct your attention to Table III.

Notifiable diseases caused 16 deaths.

Scarlatina has been practically epidemic all through the past year, and there were no less than 379 cases notified.

The only portions of the district which have not been affected badly are Shuttlewood, and Whaley Thorus.

Every precaution has been taken, and where the parents gave permission, infected children were moved to one of the various Isolation Hospitals at our disposal.

Before we can fully realize the benefit of the Isolation Hospitals, the inhabitants must be educated to see that Hospital is the best place for the proper treatment of infectious cases, and that removal of the infected patient lessens the risk of the other inmates of the infected house contracting the disease.

At present parents have a great prejudice against allowing the removal of their children to an Isolation Hospital, but I feel confident that the public will gradually see that removal is the proper course to take, and not offer any objection to proper Isolation, &c., when advised by the Medical Man attending or Medical Officer of Health.

Further, when the infected case has been taken to the Hospital, and the premises properly disinfected, other children (should there be any) in the house can safely go to school.

There were 26 cases removed to Isolation Hospital.

When the parents refuse to allow removal of an infected case to Hospital, we have to do the best we can to prevent infection of others, but in most houses in the district isolation is most unsatisfactory, and in many cases impossible.

Chicken-Pox was epidemic during September, October, and October, and several of the cases were of a severe type:

There were two cases of Puerperal Fever, both of which ended fatally.

There were eleven cases of Typhoid Fever, but this disease caused no deaths.

There were 45 cases of Erysipelas notified, which is a very large number, and I am still of opinion that this disease should be withdrawn from the list of notifiable complaints.

Scarlatina.

The occurrence of 379 cases within the past year calls for some special remarks.

The cause cannot be determined, and I believe the infection has been aërial, and the disease has been very prevalent in surrounding district's. I don't think insanitary areas, or surroundings, help the spread of this disease, but it must be remembered most of the cases occur in children about 5 years old, and in districts like Bolsover, there is a large increase in the Infantile population each year. A block of houses with a common yard, where people from infected houses are constantly compelled to mix with their neighbours, is in my mind a fruitful source of the spread of this complaint.

In many cases parents of infected children are extremely careless.

Scavenging

This important work is now fairly satisfactory done, but I think you should hold the various contractors to their agreements, and so prevent middens from being emptied in the daytime. I think it would be a distinct advantage if this work were undertaken by the Council.

Schools.

As Medical Inspector of School Children under the County Council I examined over 400 children, and also sent Special Reports on the Sanitary condition of the various Schools in the district.

The temporary School at Shuttlewood, Bolsover National School, and Whaley Thorns Mixed School require attention.

The New Schools are all satisfactory. Even during my short experience in school work I have noted marked results for good, and I believe that the system of Medical inspection of School Children now in force will prove a powerful factor in furthering the physical, and mental training of future generations.

Improvements during 1908.

- 1.—A plentiful and wholesome Water Supply for Stanfree. This I regard as a marked boon to this part of your district.

- 2.—Improvements in paving, and road making in the prevention of dust—to wit, Town End, and the re-making of Spencer Street, Carr Vale.

Requirements.

- 1.—A Sewage Scheme for Shuttlewood.
- 2.—An improvement in the Sanitary Condition of the Older Schools in the district.
- 3.—The duplication, or enlargement of some of the Main Sewers of Carr Vale.
- 4.—Further measure for Dust Prevention in the Town Streets.
- 5.—Conversion of a large number of the present filthy privy middens into Water-Closets, now that we have a plentiful Water Supply.

I remain Gentlemen,

Your obedient Servant,

WILLIAM STRATTON.



Urban Sanitary District of Boissover.

ANNUAL REPORT

GENERAL STATISTICS.

AREA IN ACRES:—Land, 4797½.

	Census, 1891.	Census, 1901.	Estimated, 1907.
Population ...	4,385 ?	6,844	10,000
Inhabited Houses	877 ?	1,272	2,060

New Houses erected during the year, 56.

Rateable Value, £52,959 12s. 0d. Assessable Value, £47,044 11s. 3d.

General District Rate, 2/- in the £ per annum.

VITAL STATISTICS.

Birth Rate, 45.

Infantile Mortality, 51.

Death Rates per 1,000 :—All Causes, 13·7 ; Epidemic Diseases, 1·6 ;

Enteric Fever and Diarrhœa, 1 ; Phthisis, 0.

Has Infectious Diseases Prevention Act, 1890, been adopted—Yes.

Has Public Health Acts Amendment Act, 1890, been adopted ?—No.

Has District Council been recommended to adopt Notification of Birth Act' 1907 ?—Yes.

Has Public Health Acts Amendment Act, 1907, been adopted ?—No.

1—OCCUPATIONS of Inhabitants
and influence of any particular occupation on health, especially lead poisoning. Chiefly Coal Mining.

2—HOUSE ACCOMMODATION.

Its adequacy and fitness for habitation. Satisfactory

Houses closed during the year. None.

Date of Building Bye-Laws. 1901.

3—SEWERAGE AND SEWAGE DISPOSAL.

Works constructed during the year and works still required. None.
Sewage Scheme for Shuttlewood

4—EXCREMENT DISPOSAL.

Approximate number of houses on.

Privy Middens, 1450. Pail Closets 520.

Water Closets, 55.

Slop Water Closets, 20.

No of houses converted from privy middens to water closets, 6

No. of defective privies improved, 15.

SCAVENGING.

Population for which there is public scavenging. 10,000

If done by servants of District Council, under contract, or by occupiers of houses. Contract

Details of scavenging. State how often refuse is removed and give details of methods of scavenging. Weekly removal when required
maximum limit 7 weeks

5—WATER SUPPLY of District and its several parts.

Number of houses supplied with public supply. 1200

Nature of such supply, sufficiency and freedom from pollution of same.

No. of houses with no supply within 100 yards. None.

No. of houses supplied with surface wells.

Probably less than 30.

No. of houses supplied from spring.

Very few.

Particulars of any supplies which are liable to pollution.

Those liable are supplied by Wells.

6—Action taken with regard to places over which Council have supervision. State if Bye laws and Regulations have been adopted, and give dates of same.

Lodging-houses.

Slaughter-houses.

Dairies and Cowsheds.

Bakehouses.

Periodically examined, L.G.B. Regulations regarding Dairies and Cowsheds adopted 1901.

Offensive Trades.

None.

Factories and Workshops.

17 on Register, all satisfactory.

7—SCHOOLS.

Sanitary condition and action taken with regard thereto.

See Remarks in Report.

Action taken with regard to prevention of Infectious Disease.

All Schools closed for any serious outbreak of infectious disease. No children allowed to attend from infected houses

Number closed on account of Infectious Disease.

None.

8—NUISANCES.

Any special nuisances requiring abatement.

Shuttlewood Cesspools.

9—INFECTIOUS DISEASES.

Details of action taken after Notification to prevent spread of disease.

House visited. Patient removed to Hospital, or isolated as well as circumstances will allow. Children kept from School when necessary

No. of cases notified.

Small Pox 0, Scarlet Fever 379, Diphtheria 26, Enteric Fever 11, Puerperal Fever 2, Erysipelas 45.

No. of cases removed to Hospital.

24 Scarlatina, 2 Typhoid.

Return Cases.

None

Is Antitoxin provided free of charge for persons who cannot afford to pay for it?

Yes.

Details of methods of disinfection and disinfectants used. State if disinfection is carried out by Inspector.

Fumigation by Sulphurous Acid Gas.

Yes

No. of articles disinfected by steam.

None.

TABLE I.

Vital Statistics of Whole District during 1908 and previous Years.

Name of District, BOLSOVER URBAN.

YEAR.	Population estimated to middle of each year.	Births.		Total Deaths registered in the District Under 1 Year. At all Ages				Deaths of Residents registered in Public Institutions beyond the District.	Nett deaths at all ages belonging to the District.	
		Number.	Rate.	Number.	Rate per 1000 Births registered.	Number	Rate.		Number	Rate
1898 ..	5500	286	51.5	51	178.3	104	28.4			
1899 ..	5500	265	48.1	46	173.5	52	17.8			
1900 ..	5500	306	46.8	68	222.2	144	26.1			
1901 ..	6844	282	41.2	46	163.1	89	13.0			
1902 ..	6844	356	52.0	46	129.2	113	16.5	4	117	17.0
1903 ..	6844	359	52.4	50	131.9	119	17.3	9	128	18.7
1904 ..	6844	429	62.68	68	158.5	132	19.2	7	139	20.3
1905 ..	6844	409	59.76	49	119.8	123	17.9	6	129	18.8
1906 ..	6844	378	55.2	54	143.6	114	16.6	8	122	17.8
1907 ..	10000	401	40.1	53	132.1	130	13.0	10	140	14.0
Averages for Years 1898—1907.	6756	347	50.9	53	155.2	112	18.5			
1908 ..	10000	450	45.0	51	113.3	127	12.7	10	137	13.7

Area of District in acres (exclusive of area covered by water) 4797½.

Total population at all ages, 6844

Number of inhabited houses, 1272

Average number of persons per house, 5

At Census 1901

Institutions outside the District receiving sick and infirm persons from the District:—

Royal Hospital, Sheffield, Royal Infirmary, Sheffield, Jessop's Hospital, Sheffield; Union Hospital, Chesterfield, General Hospital, Chesterfield, Mastin Moor, Langwith, Morton Isolation Hospitals.

Union Workhouse outside the district.

TABLE II.—Vital Statistics of Bolsover Urban District in 1908 and previous years,

YEAR.	Population estimated to middle of each year.	Births registered	Deaths at all ages	Deaths under one year
1898 ...	5500	286	104	51
1899 ...	5500	265	52	46
1900 ...	5500	306	144	68
1901 ...	6844	282	89	46
1902 ...	6844	356	117	46
1903 ...	6844	359	128	50
1904 ...	6844	429	139	68
1905 ...	6844	409	129	49
1906 ...	6844	378	122	54
1907 ...	10000	401	140	53
Averages of Years 1898—1907	6756	347	116	53
1908 ...	10000	450	137	51

TABLE III.

Cases of Infectious Disease notified during the year 1908
Name of District, BOLSOVER URBAN.

Notifiable Diseases.	Cases notified in whole District.						
	At all ages	At Ages - Years					
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards
Diphtheria (including Membranous croup)	26	1	5	13	4	3	
Erysipelas	45	1	3	4	6	31	
Scarlet Fever	379	10	128	208	17	16	
Enteric Fever	11			1	5	4	1
Puerperal Fever	2				1	1	
Totals	463	12	136	226	33	55	1

TABLE IV.

Causes of, and Ages at, Death during Year 1908.

Name of District, BOLSOVER URBAN.

Causes of Death.	All Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
Measles	2		2				
Scarlet Fever	9		4	5			
Diphtheria (including Membranous Croup)	3		2	1			
Diarrhoea	1	1					
Enteritis	1	1					
Puerperal Fever	2				1	1	
Other Tubercular Diseases	7	4	1	1		1	
Cancer, malignant Diseases	6					3	3
Bronchitis	10	1	3			1	5
Pneumonia	15	11	1	1		2	
Alcoholism & Cirrhosis of Liver	4					4	
Premature Birth	10	10					
Diseases & Accidents of Parturition	3					3	
Heart Diseases	7			1	1	3	2
Accidents	3		2	1			
Suicides	1					1	
Convulsions	6	5	1				
Gastritis	2	1					1
Marasmus	2	2					
Senility	8						8
Nephritis	4					4	
Inanition	7	7					
All other causes	24	8	3	2		10	1
ALL CAUSES	137	51	19	12	2	33	20

TABLE V.

Infantile Mortality During the Year 1908.

Deaths from stated Causes in Weeks and Months under
One Year of Age.

Name of District, BOLSOVER URBAN.

Cause of Death.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	11-12 Months.	Total under 1 Year.
Diarrhœa, all form ...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Muco-enteritis and	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gastro-enteritis ...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Gastritis, and Gastro-	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
intestinal Catarrh...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
Premature Birth ...	7	1	1	...	9	1	...	...	...	...	...	...	...	...	...	10
Congenital Defects ...	4	...	...	...	4	...	1	...	...	1	...	...	...	...	...	6
Atrophy, Debility and	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Marasmus ..	3	1	...	1	5	2	1	...	...	...	...	...	...	...	...	8
Tuberculous Meningi-	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
tis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
Other Tuberculous	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diseases	...	1	...	...	1	1	0	...	...	...	...	...	...	1	...	3
Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(not Tuberculous)...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
Convulsions ..	1	1	1	...	3	1	...	...	...	...	...	...	1	...	...	5
Bronchitis ...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Pneumonia ...	...	...	...	...	...	1	1	1	1	...	...	4	...	2	1	11
Other Causes	...	...	1	...	1	...	...	...	...	...	...	1	...	...	...	2
Total ...	15	4	3	1	23	6	3	2	2	2	0	6	2	3	2	51

Population (Estimated to middle of 1908, 10,000.

Births in the Year :—Legitimate, 450 ; Illegitimate, no record.

Deaths in the Year :—Legitimate, 51 ; Illegitimate, no record.

Deaths from all Causes at all Ages, 137.

Factories, Workshops, Laundries, Workplaces, and Homework.

1—INSPECTIONS.

WORKSHOPS (Including Workshop Laundries).

No. of Inspections	35
--------------------	-----	-----	----

No. of Written Notices	4
------------------------	-----	-----	---

Total	39
-------	-----	-----	-----	----

2.—DEFECTS FOUND.

UNSUITABLE OR DEFECTIVE SANITARY ACCOMMODATION.

NONE.

3.—REGISTERED WORKSHOPS.

Total Number of Workshops on Register	17
---------------------------------------	-----	-----	----

ANNUAL REPORT OF SANITARY INSPECTOR 1908.

BOLSOVER URBAN SANITARY DISTRICT,

NAME OF INSPECTOR—W. G. H. BROWN, A.R.S.I.

AREA OF DISTRICT, 4,797 ACRES.

ESTIMATED NUMBER OF HOUSES, 2,060.

NEW HOUSES ERECTED 56.

	Informal Notices Served by Sanitary Inspector.	Legal Notices Served by Local Authority.	Nuisances Abated.
DWELLING HOUSES.			
Repaired	5	...	5
Closed as Unfit for Habitation ... ..	...	...	...
Infected Houses Disinfected	269	...	...
DRAINAGE—			
No Disconnection of Waste Pipe	2	...	2
Defective Traps, Inlets, & Drains	27	9	27
Drains Obstructed	30	16	30
CLOSETS AND ASHPITS—			
Insanitary Privies and Ashpits	20	7	20
Insufficient Closet Accommodation ... ..	...	...	...
Conversion of Privies into W.C.'s	4	...	4
Defective Water Closets ... ..	...	...	...
OTHER DEFECTS—			
Surfaces of Courts and Yards	16	8	16
Eaves-Spouts and Down-Spouts ... ..	...	...	...
Urinals Defective ... ..	...	1	...
Water Supply	10	4	10
Offensive Accumulations	32	...	32
Animals Improperly Kept	6	4	6
Pigsties ... ..	...	...	...
Smoke Nuisances ... ..	...	...	...
Overcrowding	1	...	1
Foul Conditions of Houses	1	...	1
Totals	423	49	154

				Number on Register.	Inspections Made.	Notices Served.
Dairies, Cowsheds, & Milkshops				15	94	...
Bakehouses	...	...	...	9	36	...
Slaughterhouses...	...	...	...	9	55	...
Offensive Trades	...	...	...	...	...	...
Common Lodging-houses	...	...	...	1	12	4
				—	—	—
Totals	...	...	...	34	197	4

Action taken by Inspector against spread of Infectious Disease :—Disinfection of Infected Premises, Isolation of Infected Persons by sending to Isolation Hospital when possible, Analysis of Water Supplies, Foodstuffs Periodically Examined, Dwellings Inspected for Defects.

Samples of Water submitted for Analysis :—Six.

Other Actions taken :—Public Scavenging receiving extra attention. Cesspool emptying undertaken until Sewage Works are provided at Shuttlewood.

Signed,

W. G. H. BROWNE.

